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We claim:

1. A bleaching composition comprising:

- 5 (a) an organic substance which forms a complex with a transition metal for bleaching a substrate with atmospheric oxygen, the bleaching composition upon addition to an aqueous medium providing an aqueous bleaching medium substantially devoid of a peroxygen
10 bleach or a peroxy-based or peroxy-generating bleach system,
- (b) between 0.001 to 3 wt/wt % of a perfume composition said perfume composition comprising at least 0.01 wt % of
15 a terpene perfume, and
- (c) an antioxidant in the range from 0.0001 to 20 wt/wt %,
- 20 (d) the balance carriers and adjunct ingredients to 100 wt/wt % of the total bleaching composition.

2. A bleaching composition according claim 1, wherein the antioxidant is selected from:

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(i) a phenolic antioxidant, the phenolic antioxidant present in the range 0.0001 to 3 % wt %; and,

(ii) an amine antioxidant, the amine antioxidant in the
30 range from 0.0001 to 20%.

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3. A bleaching composition according claim 2, wherein the amine antioxidant is an amine alcohol.

4. A bleaching composition according to claim 3,
5 wherein the amine alcohol is selected from the group consisting of: 2-amino-2-methyl-1-propanol, tri-ethanol amine, tri-methanol amine, mono-ethanol amine, diethanol amine, and methylantranilate.

10 5. A bleaching composition according to claim 2, wherein the antioxidant is a hindered phenol.

6. A bleaching composition according to claim 5,
wherein the antioxidant is selected from the group
15 consisting of: 2, 6-di-tert-butyl hydroxy toluene, α -tocopherol, Ethoxyquine and 6-hydroxy-2,5,7,8-tetra-methylchroman-2-carboxylic acid, and lignosulphonic acid.

7. A bleaching composition according to claim 6,
20 wherein the antioxidant is 2, 6-di-tert-butyl hydroxy toluene.

8. A bleaching composition according to claim 1,
wherein the antioxidant is ascorbic acid.
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9. A bleaching composition according to claim 5 to 8,
wherein the antioxidant is present in the bleaching
composition in the range from 0.001 to 2 wt %.

30 10. A bleaching composition according to any preceding claim, wherein the bleaching composition is a liquid.

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11. A bleaching composition according to any preceding claim, comprising between 0.1 to 2 wt/wt % of a perfume composition.

5 12. A bleaching composition according to any preceding claim, wherein said perfume composition comprises at least 0.1 wt % of a terpene perfume.

10 13. A bleaching composition according to claim 12, wherein said perfume composition comprises at least 1.0 wt % of a terpene perfume.

15 14. A bleaching composition according to claim 13, wherein the perfume composition comprises at least 5 wt % of a terpene perfume.

20 15. A bleaching composition according to any one of claims 1 to 9 and 11 to 14, wherein the bleaching composition is a solid bleaching composition.

25 16. A bleaching composition according to any preceding claim, wherein the terpene perfume is selected from the group consisting of: terpinolene, Gamma-terpinene, and pinane.

30 17. A method of bleaching a textile stain, comprising the steps of treating a substrate with the bleaching composition as defined in any preceding claim in an aqueous environment, rinsing the substrate and drying the substrate.